

*Agenda*

## Market Deployment of Cool-Colored Roofing Materials

### Fourth Project Advisory Committee Meeting

Thursday, March 6, 2008

9:00 am to 12:00 pm EST (6-9 am PST)

Oak Ridge National Laboratory (ORNL), Oak Ridge, TN

**Teleconference: 866-692-3158 (passcode 142875)**

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ORNL administrative contact: Teresa Williams (tel. 865-574-4345; williamst@ornl.gov)

#### **I. Introduction (9:00-9:10)**

- A. Introduction (CEC Project Manager: Chris Scruton)
- B. Opening remarks and the objectives of the PAC meetings (CEC Project Manager: Chris Scruton)
- C. Introduction of the ORNL and LBNL project staff
- D. Project objectives and organization

#### **II. Review of project tasks (9:10-11:20)**

- A. Task 1. Provide Technical Assistance to California Utilities and Public Interest Organizations in Developing Incentive Programs for Residential Cool Roofs (9:10-9:15), (discussions – Q&A 9:15-9:30)
- B. Task 2. Assist Manufacturers of Cool-Colored Materials to Deploy Their Products (about 5 minutes each for presentation, and 5 minutes for discussion)
  - 1. Enhance the solar reflectance of non-white roofing materials (9:30-9:40)
  - 2. Develop tools to measure solar reflectance for factory quality control (9:40-9:50)
  - 3. Correlate the solar reflectance of a shingle to that of its constituent granules (9:50-10:00)
  - 4. Develop a validated and unified energy-savings calculator (10:00-10:10)
  - 5. Conduct natural exposure testing in California (10:10-10:20)
  - 6. Field exposure testing at ORNL (10:20-10:30)
- C. Task 3. Measure the Energy Savings Yielded by Cool-Colored Roofing Materials, And Use This Data to Validate an Energy Savings Calculator (10:30-10:45) (discussions – Q&A – 10:45-11:00)
- D. Task 4. Educate Consumers, Contractors, Engineers and Architects by Publicizing the Results of the Research (11:00-11:30)
  - 1. ISP Solar Shield - Colored roofing granules of high solar reflectance for "Cool" shingles manufacture (Ingo Joedicke, ISP Mineral)
  - 2. New fluoropolymer latex technology for cool materials solutions across an expanded color space (Kurt Wood, Arkema Inc.)

#### **III. Discussion of key issues, and comments from PAC members (11:30-11:50)**

#### **IV. Concluding comments (11:50-12:00)**

#### **V. This is the fourth and last scheduled PAC meeting for the phase 2 project**

#### **VI. Adjourn (12:00)**